

BOILER & STEAM GENERATION :

Operation, Maintenance and Troubleshooting

26 - 28 Feb 2018 | 10 - 12 Apr 2018 |
14 - 16 Aug 2018 | 29 - 30 Oct 2018

Block M4, IBD UTM Kuala Lumpur, MALAYSIA



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Institute of
Bioproduct Development
Chemical Engineering
Pilot Plant



Steinbeis
Malaysia Foundation

COURSE OBJECTIVES

To provide fundamental, operation and practical aspects of steam boilers and turbines, including acts and regulations.
To upgrade knowledge and skill in handling, inspection, testing, maintaining and troubleshooting of steam boilers and turbines.

COURSE CONTENT

Day 1

- Fundamental of boiler operation and steam generation
- Types, classifications and construction of steam boilers, Water, steam and hot gases circulations
- Acts and Regulation related to boilers, pressure vessels and environmental issues
- Essential fittings, mountings and its accessories (meter, gauges, fans)
- Steam drum, superheater, economizer, preheater and all other equipments

Day 2

- Boiler operation (commissioning, startup, shutdown, steam supplying)
- Safety valves and gauge glasses testing, blowdown procedures
- Normal and emergency situations
- Water treatment and steam quality
- Boiler maintenance, overhaul and mandatory inspection
- Boiler safety and house keeping

Day 3

- Steam turbines (type, construction, operation and maintenance)
- Fuel, burners and combustion systems
- Welding technology and NDT
- Boiler and turbines failures : precaution and accident cases
- Preparation for JKKP interview and examination



WHO SHOULD ATTEND

- Engineers, construction, maintenance and operations personnel who are and will be responsible for the selection, signing, specification, installation, testing, operation and maintenance of boilers and its associate equipments.
- Experience professionals who want to review or broaden their understanding in boilers and steam plant.
- Other professionals who want better understanding of the subject matters.
- Personnel who are in the process of applying Steam Engineer Certificate, DOSH
- Experience professionals who want to review or broaden their understanding on boilers



COURSE TUTOR

Assoc. Prof. YAHAYA BIN RAMLI

Yahaya bin Ramli is currently an Associate Professor at the Department of Thermo-Fluid, Faculty of Mechanical Engineering, Universiti Teknologi Malaysia (UTM). Prior to join UTM, he has several years of practical experience in various technical and management level in palm oil, electronic and petroleum industries. He holds an Advanced Diploma in Mech. Engineering from MARA Institute of Technology and MSc (Fluid Power Systems) from University of Bath, United Kingdom.

He has conducted many courses in the field of hydraulic and pneumatic system, pumps and compressors, and boiler and steam generation systems. Many participants from national and multi-national companies have attended his courses. Among those companies are SHELL, ESSO, PUB(Singapore), Khartoum Refinery Company (KRC) Sudan, PETRONAS, PROTON, GOLDEN HOPE Plantation, TEXAS INSTRUMENTATION, FLEXSYS (USA), DUNLOP, TNB, TITAN, MECI(Prai), MMHE(Pasir Gudang), MIMOS, MARA, PERLIS POWER PLANT, POWERTEK(Tanjung), TEKNIK JANAKUASA (Malakoff) and other petrochemical and palm oil companies.



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Please tick (✓) where appropriate

<input type="checkbox"/> 26 - 28 February 2018	<input type="checkbox"/> 14 - 16 August 2018
<input type="checkbox"/> 10 - 12 April 2018	<input type="checkbox"/> 29 - 31 October 2018

YES! I would like to register the following participants

Name 1 _____

Job Title _____

Name 2 _____

Job Title _____

COMPANY INFORMATION

Company _____

Address _____

Town _____

State _____

Tel _____ Fax _____

Email _____

Authorised Signatory (*This registration is invalid without signature from an authorised officer)

Name _____

Job Title _____

Tel _____ Fax _____

Email _____

Signature _____

COURSE FEE

Fee is inclusive of lunch, refreshments and course materials. Accommodation is not included.

Local Participant | International Participant
RM**1749** | EURO**995**

Method of Payment

Please kindly complete and return the reply form 3 weeks before the commencement date together with :

Local Participant

Cheque / Bank Draft which are made payable to **PHYTO BIZNET SDN. BHD.**

International Participant

Direct Transfer/Bank Draft :

IBD Bank details :
CIMB Bank Berhad,
Universiti Teknologi Malaysia
81310 UTM Johor Bahru, Johor, Malaysia

Please instruct your bank to remit us the full amount, net of bank charges

Account No : **0118 - 0004178 - 05 - 7**

Swift Code **CIBBMYKL**

Cancellation & Substitutions

A full refund will be promptly made for all written cancellations 2 weeks before the course. 50% refund will be made for written cancellations received 7 days before the course. A substitute may be made at any time.

Note

A) The organiser has the right to make any amendments that they deem to be in the best interest of the course and to cancel the course if insufficient registrations are received a week before course commencements date.

B) CERTIFICATE OF ATTENDANCE will be awarded at the end of the course.

We can offer courses in-house at your company

Staff from more than 700 local and overseas companies have attended our life-long learning programmes

Some of these companies are :

PETRONAS, SHELL, BP, SAUDI ARABIA BASIC IND. CORP. (SABIC), QATAR LNG, ALMARAI (SAUDI ARABIA), IDEMITSU, EASTMAN CHEMICALS, BASF PETRONAS, KUWAIT INSTITUTE OF SCIENTIFIC RESEARCH, KHARTOUM REFINERY, LOADSTAR (Sri Lanka) etc.

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UTM Kuala Lumpur is situated about 10 minutes drive from the famous Kuala Lumpur landmark, the PETRONAS TWIN TOWER and KLCC, the prime shopping centre. It is easily accessible by road and major hotels are located nearby.

